

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



TRAFFIC DATA

Current (2018) AADT	7730
Future (2038) AADT	9280
DHV - % of AADT	10%
Design Hour Volume	928
Heavy Trucks (% of AADT)	14%
Heavy Trucks (% of DHV)	9%
Directional Distribution (% of DHV)	57%
18 kip Equivalent P 2.0	1189
18 kip Equivalent P 2.5	1133
Design Speed (mph)	50 MPH

LIST OF DRAWINGS

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NEW SHARON
FRANKLIN COUNTY
NEW MUDDY BROOK BRIDGE
OVER
MUDDY BROOK
ROUTES 2 & 27
FEDERAL AID PROJECT NO. 2363300
PROJECT LENGTH 0.076 mi.
BRIDGE NO. 5723

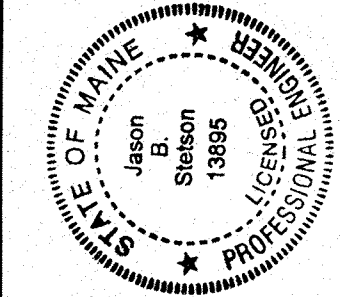
UTILITIES

Central Maine Power
Consolidated Communications of Northern New England

MAINTENANCE OF TRAFFIC

Maintain one 12'-0" wide lane of alternating traffic using traffic signals.

PROJECT LOCATION	New Muddy Brook Bridge #5723 in New Sharon Carrying Route 2 & 27 over Muddy Brook Lat./Long. 44° 38' 45.888" N 70° 01' 42.672" W
PROGRAM AREA	Highway Bridges - Traditional
OUTLINE OF WORK	Replacement of Pavement and High Performance Membrane on Bridge with Variable Depth Mill and Hot Mix Asphalt Overlay with Guardrail Improvements.



SIGNATURE	P.E. NUMBER	DATE
	13845	10/31/19

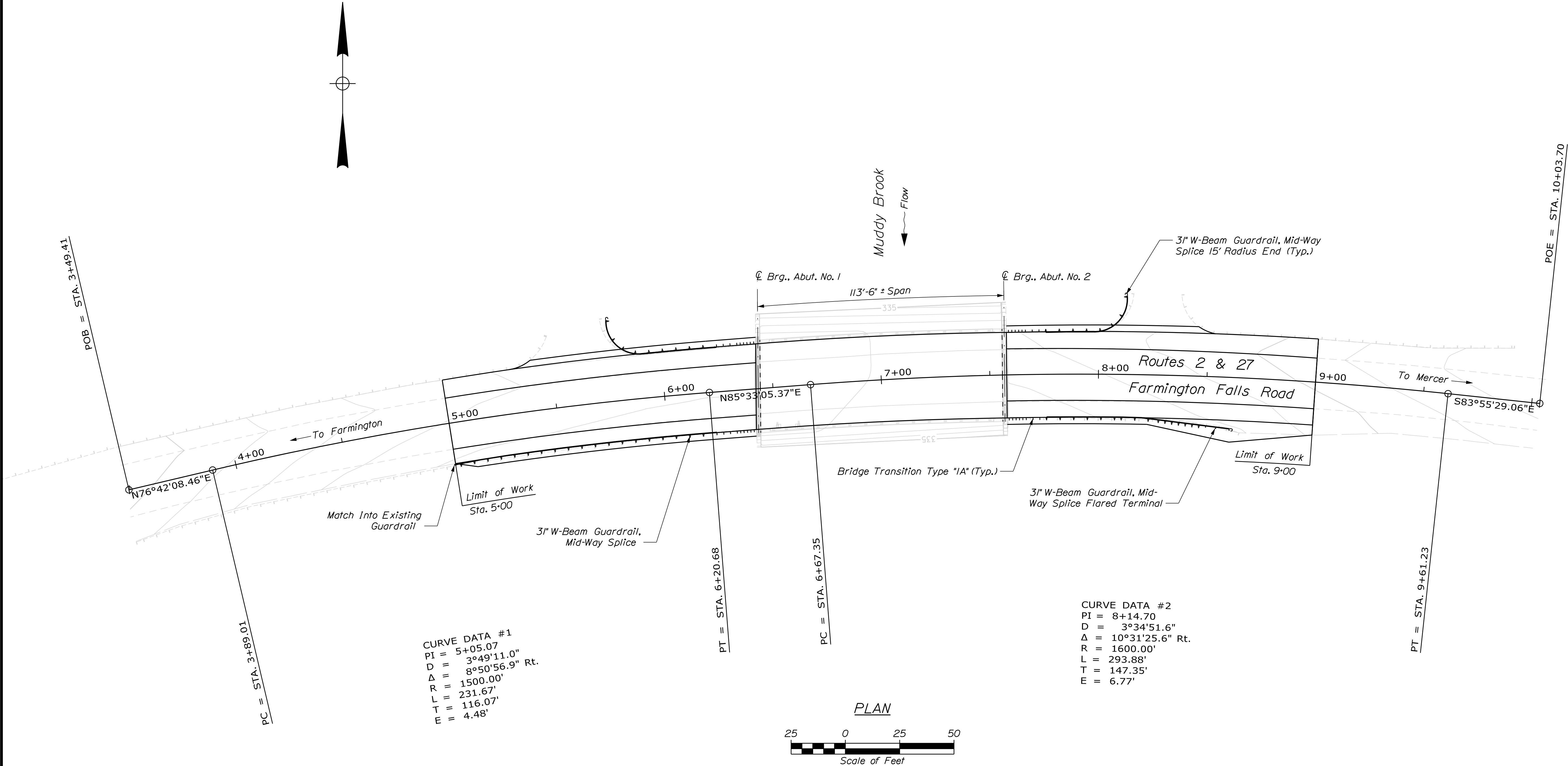
PROGRAM	PROJECT MANAGER	DESIGNER	CONSULTANT	PROJECT RESIDENT	CONTRACTOR	PROJECT COMPLETION DATE
Bridge Program	J. Shelton	J. Shelton				

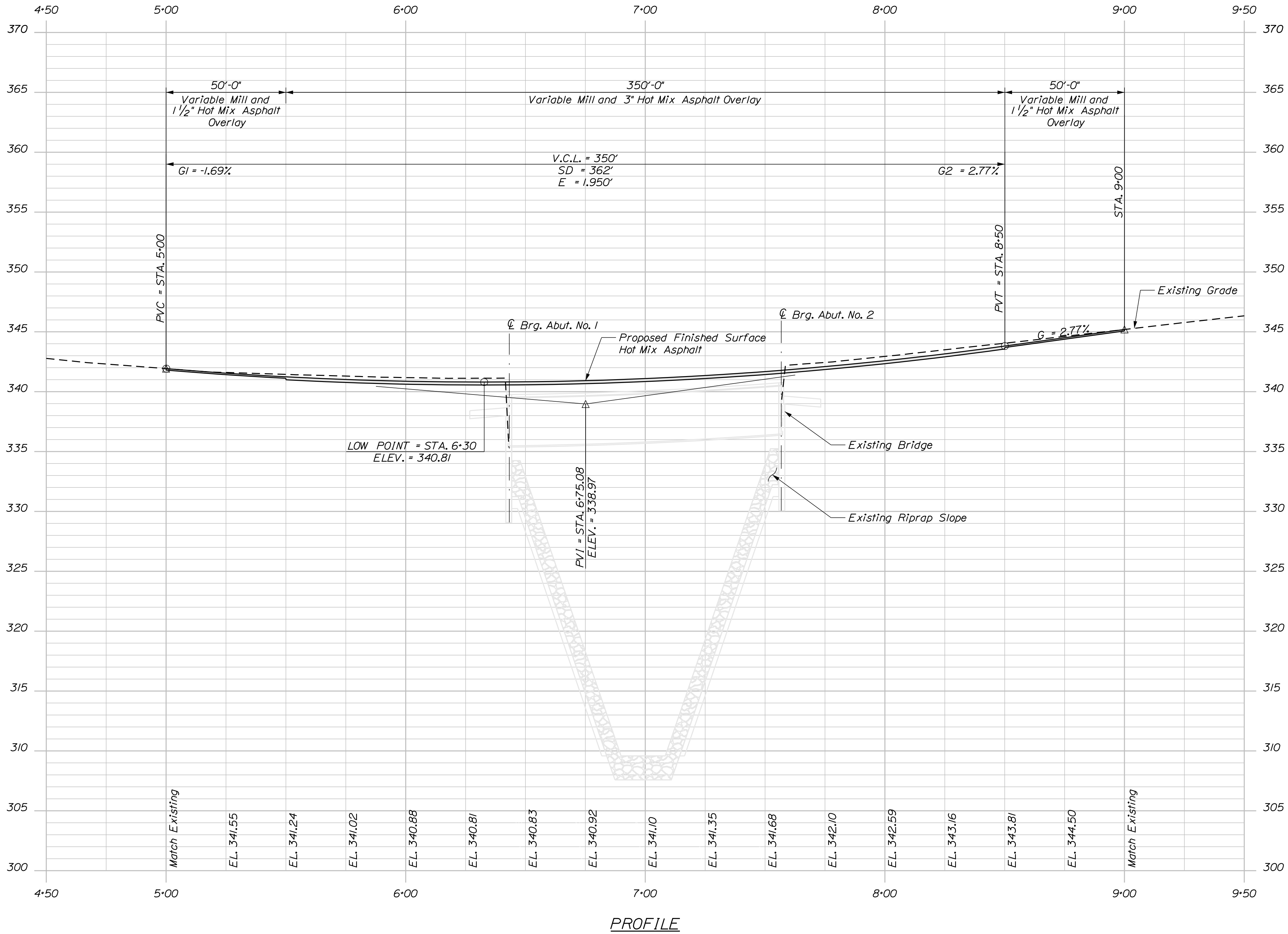
NEW SHARON NEW MUDDY BROOK BRIDGE	TITLE SHEET
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SHEET NUMBER
1
OF 11

023633.00 WIN 23633.00

STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
		11/13/19
COMMISSIONER:	CHIEF ENGINEER:	11-12-19





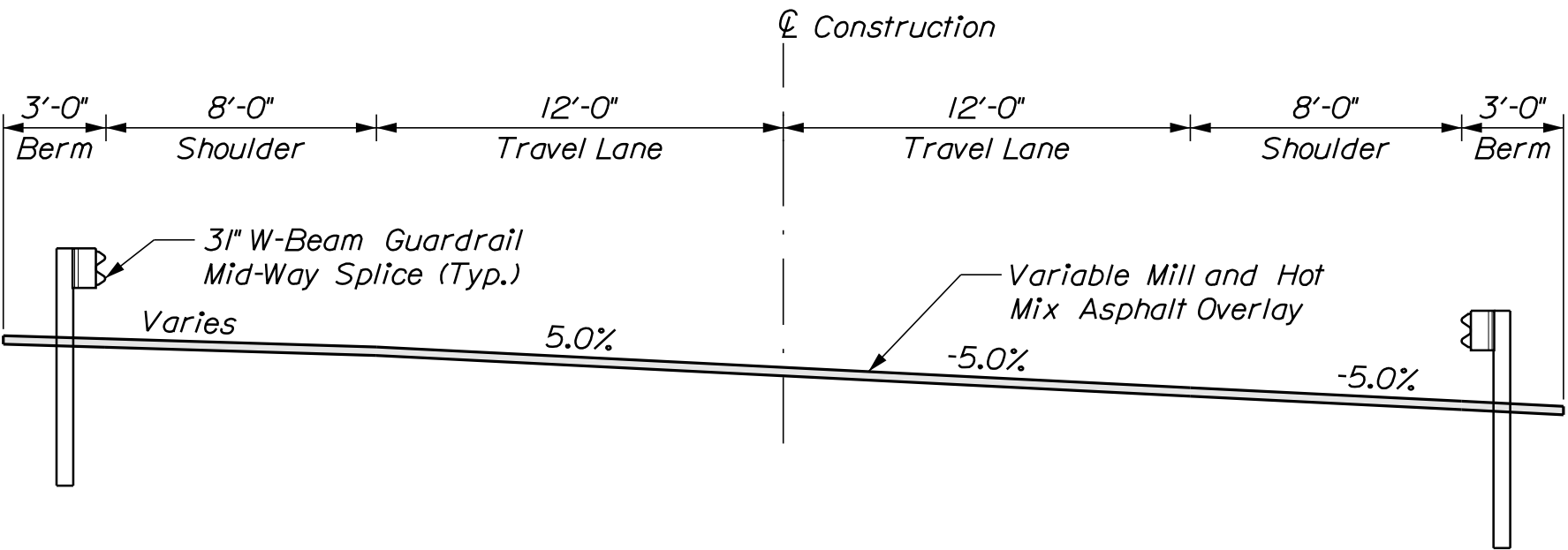
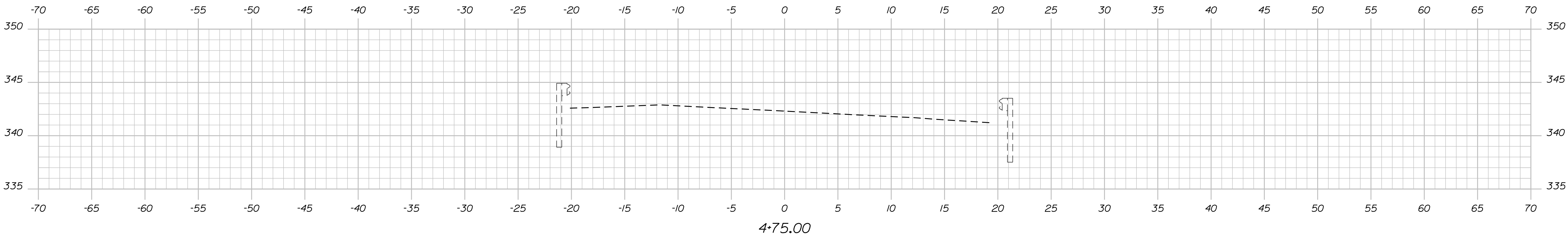
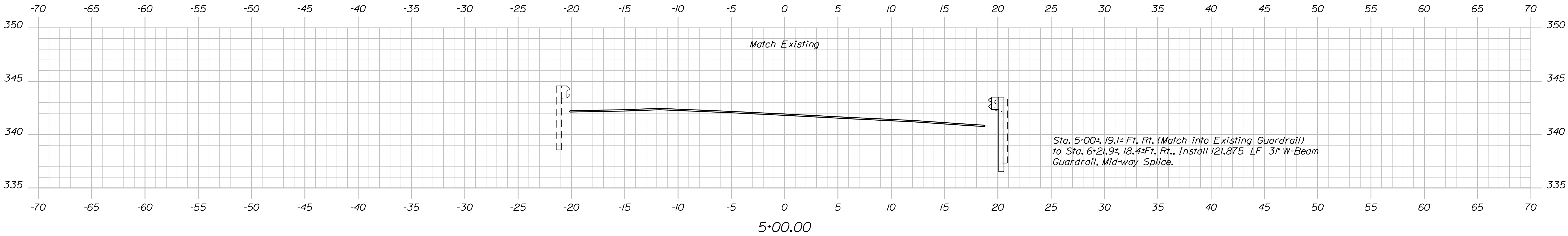
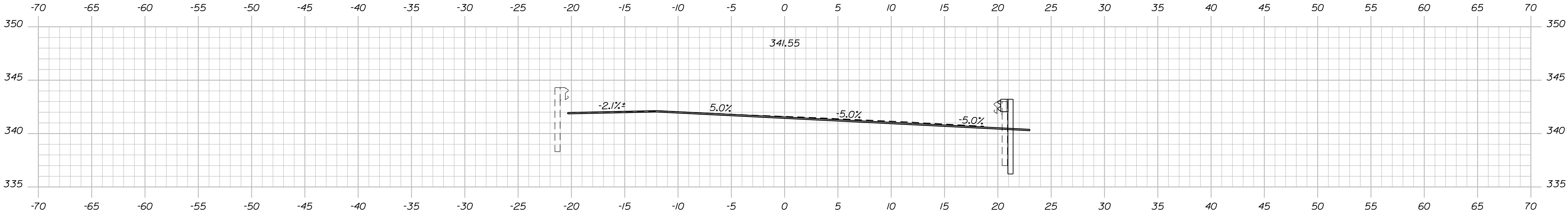
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NEW SHARON		DATE	
FRANKLIN COUNTY		BRIDGE NO. 5723	
PROFILE		WIN	
SHEET NUMBER		23633.00	
4		BRIDGE PLANS	
OF 11		023633.00	

Date:11/1/2019

Username: richard.mayer

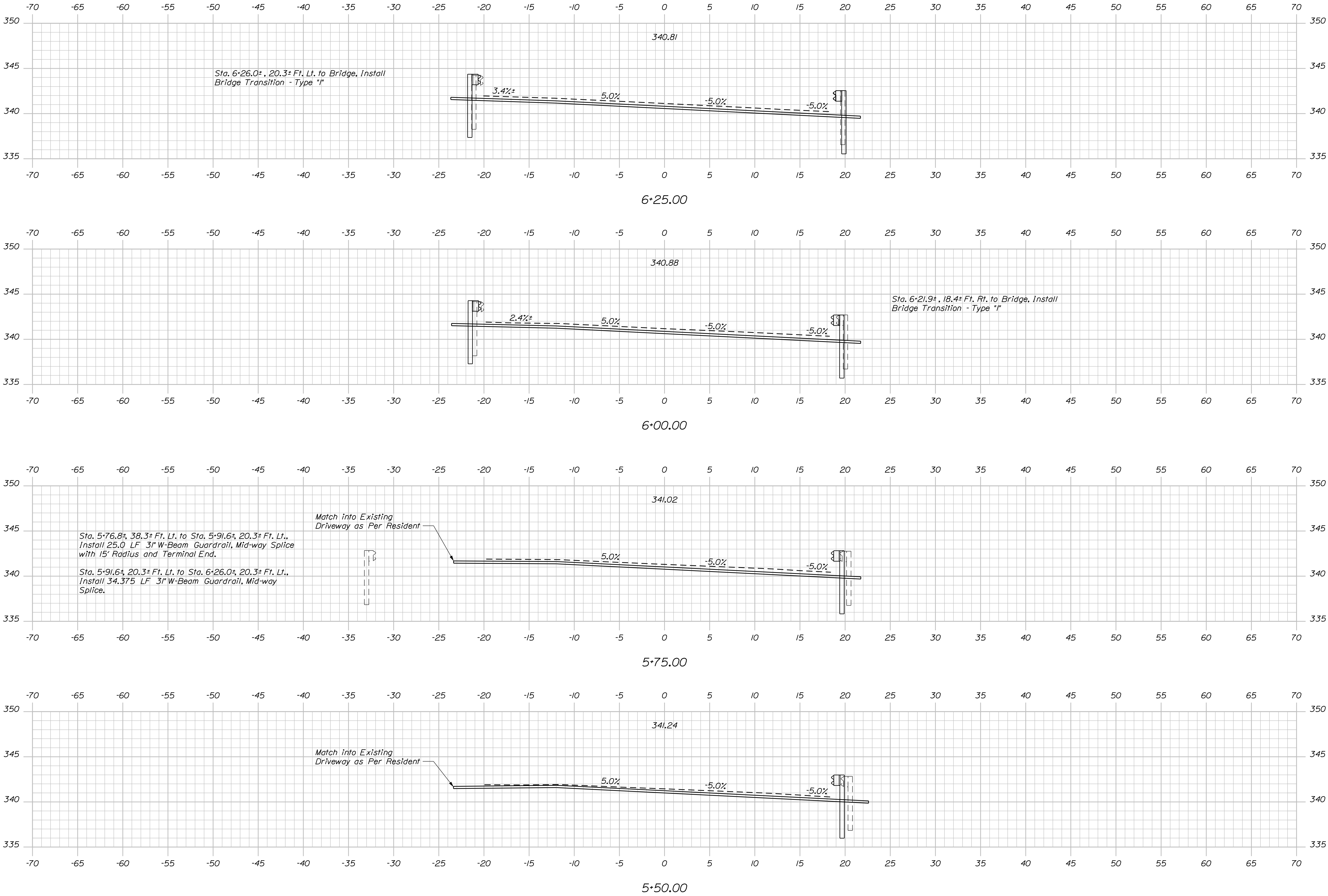
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TYPICAL APPROACH SECTION

PROJ. MANAGER	J. STETSON	BY	J. STETSON	DATE	OCT 2019
DESIGN-DETAILED	J. STETSON	CHECKED-REVIEWED	R. MAYER	DATE	OCT 2019
DESIGN-DETAILED	J. STETSON	CHECKED-REVIEWED	J. STETSON	DATE	OCT 2019
REVISIONS 1		REVISIONS 1		DATE	
REVISIONS 2		REVISIONS 2		DATE	
REVISIONS 3		REVISIONS 3		DATE	
REVISIONS 4		REVISIONS 4		DATE	
FIELD CHANGES		FIELD CHANGES		DATE	



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023633.00

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23633.00

BRIDGE NO. 5723

BRIDGE PLANS

NEW MUDDY BROOK BRIDGE
MUDDY BROOK
NEW SHARON
FRANKLIN COUNTY

CROSS SECTIONS

SHEET NUMBER

6

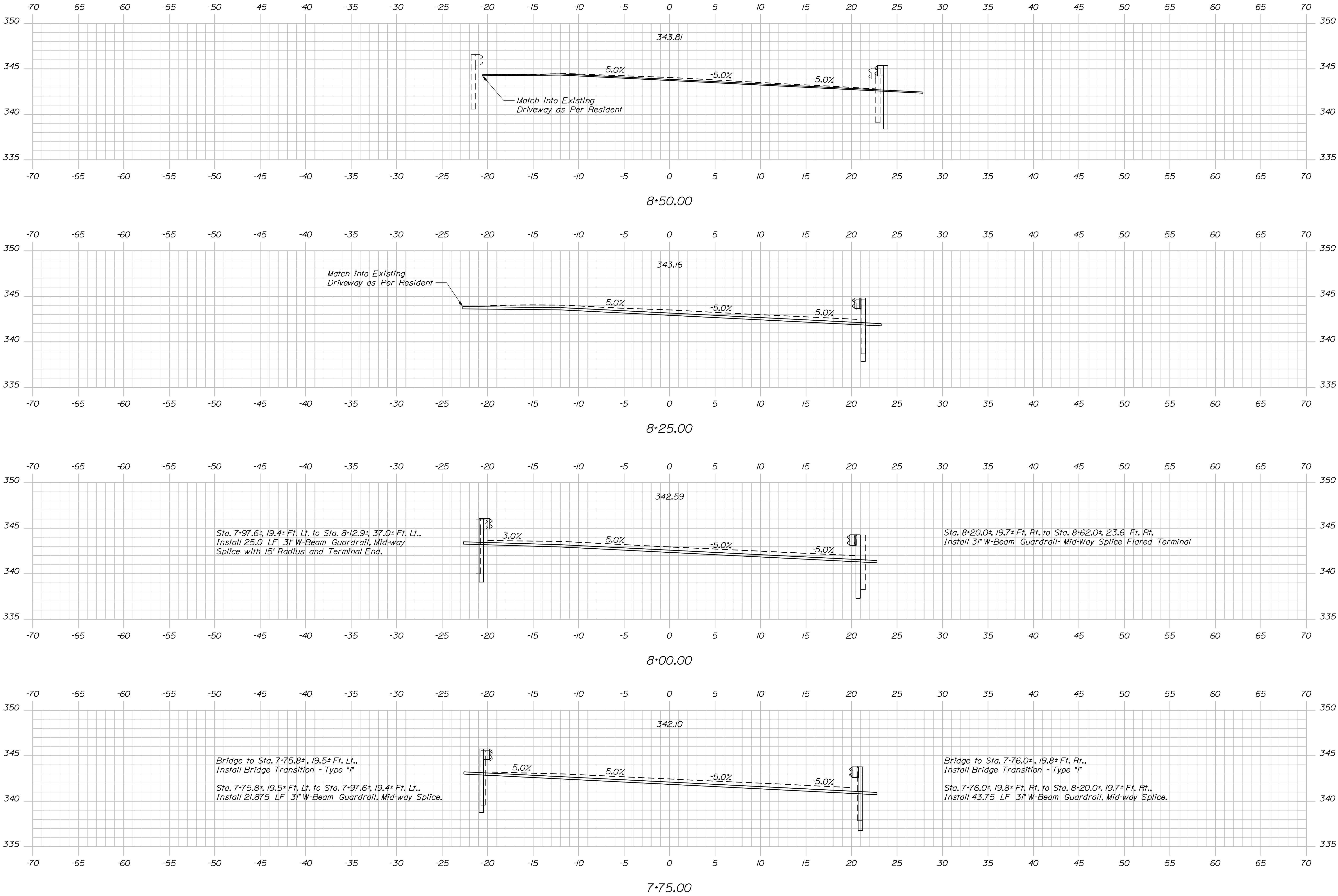
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Division: BRIDGE

Username: richard.mayer

Date:11/1/2019



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION

023633.00

WIN
23633.00

BRIDGE NO. 5723

BRIDGE PLANS

NEW MUDDY BROOK BRIDGE
MUDDY BROOK
NEW SHARON
FRANKLIN COUNTY

CROSS SECTIONS

SHEET NUMBER

7

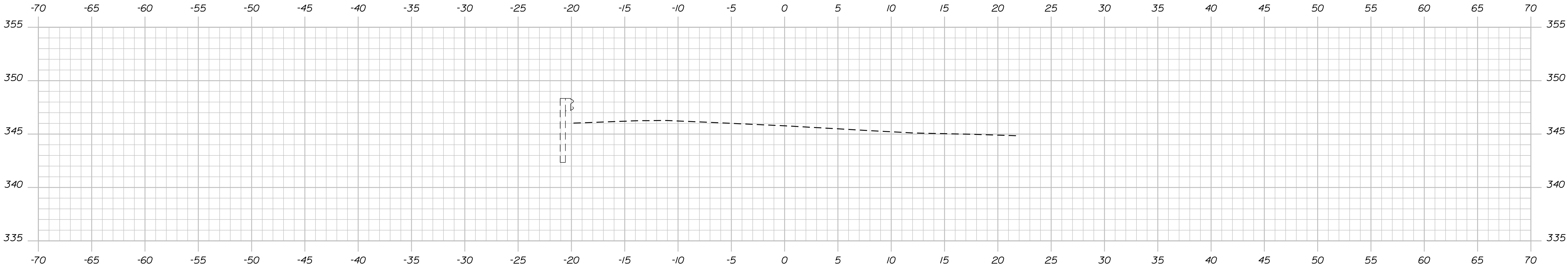
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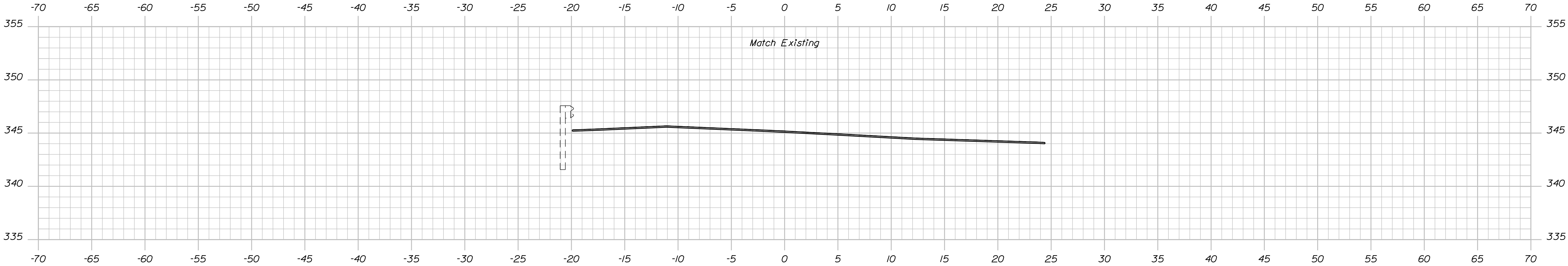
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Division: BRIDGE

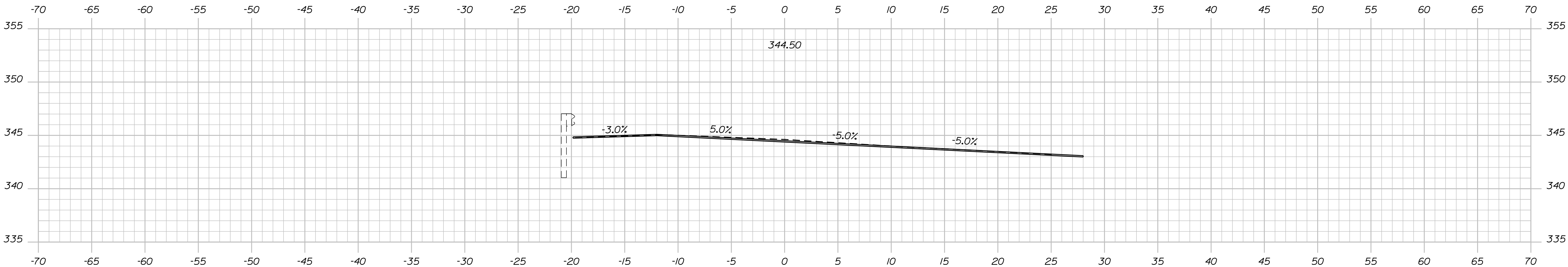
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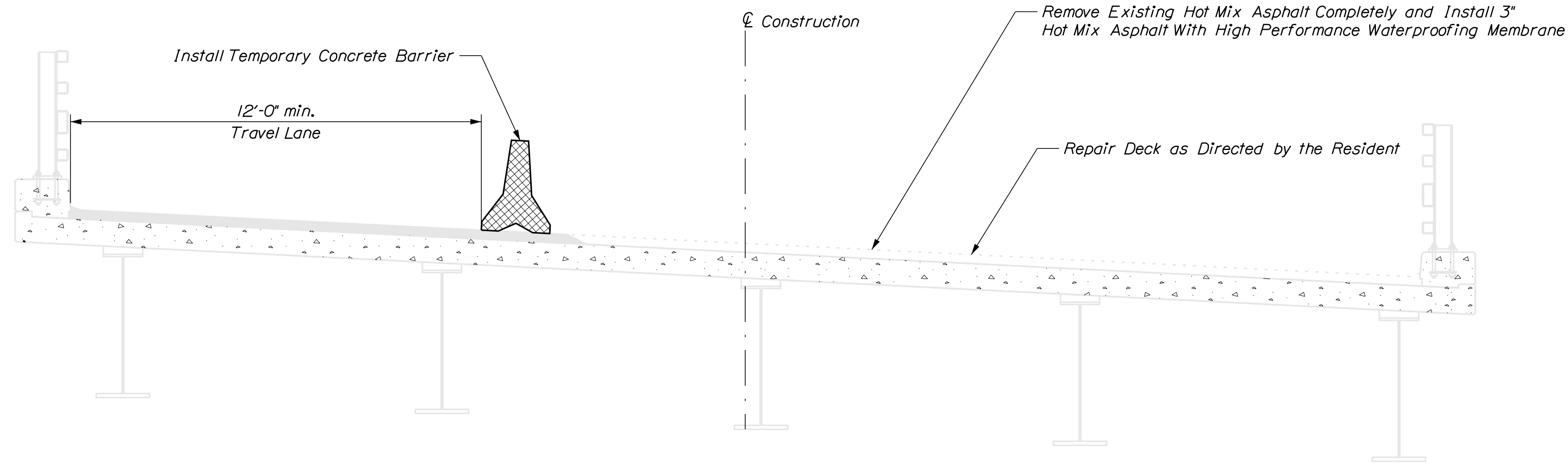


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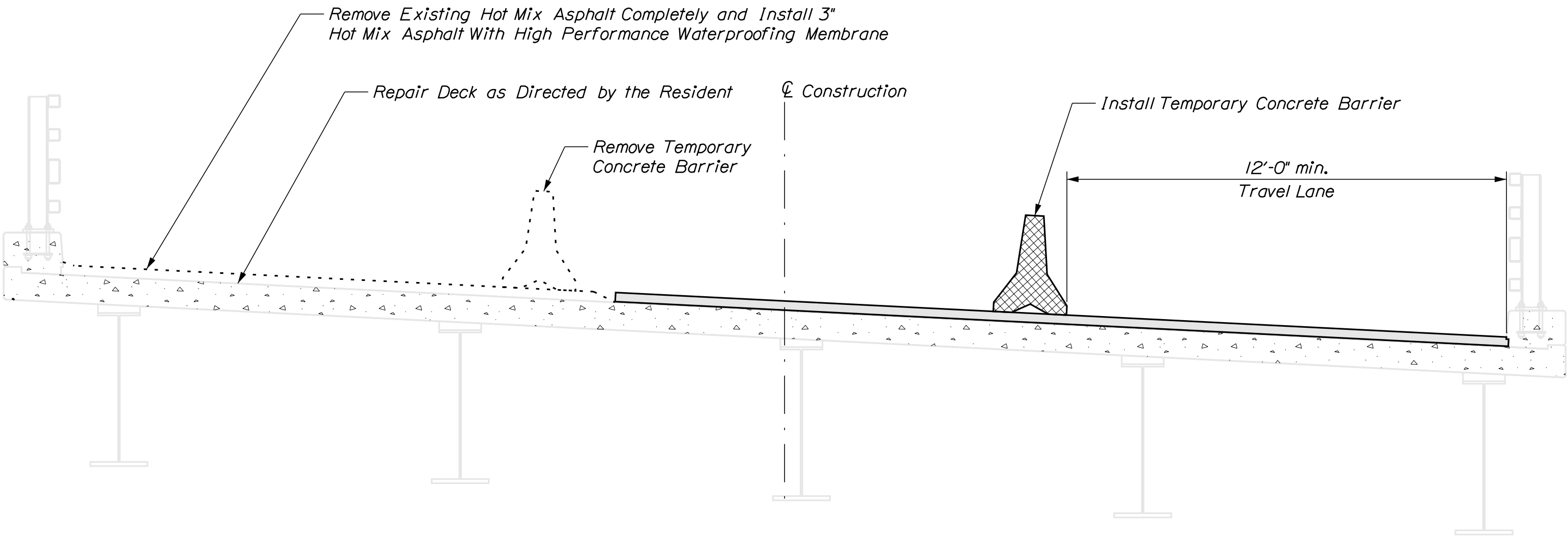


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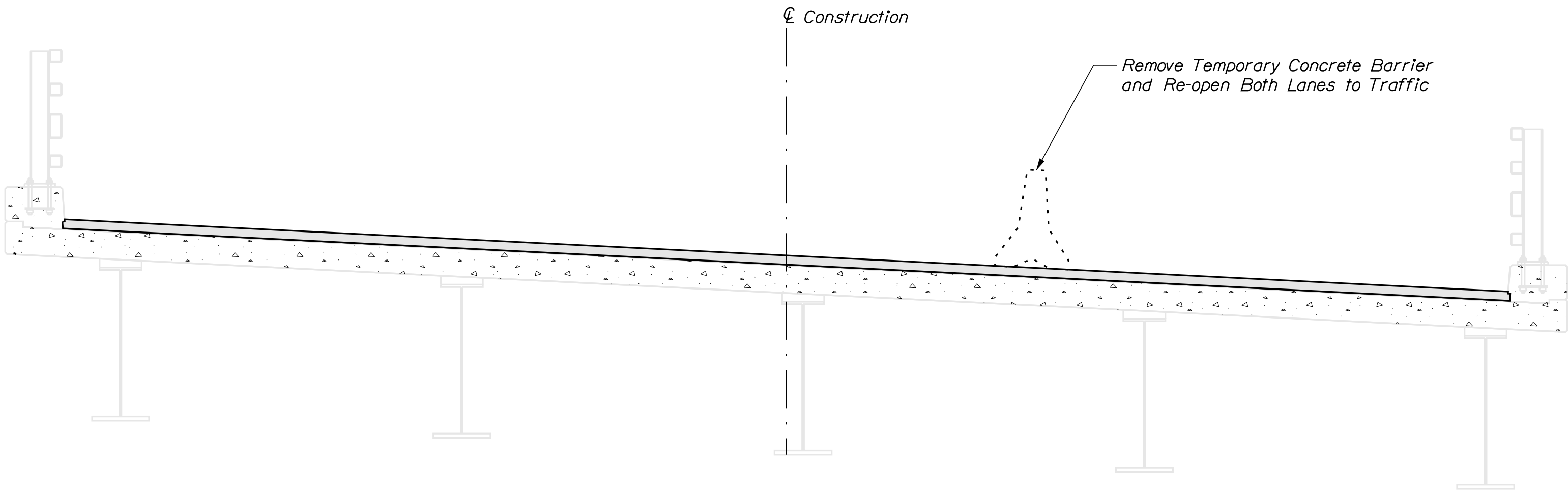
STATE OF MAINE		DEPARTMENT OF TRANSPORTATION	
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BRIDGE NO. 5723		23633.00	
BRIDGE PLANS			
NEW MUDDY BROOK BRIDGE		FRANKLIN COUNTY	
MUDDY BROOK		FRANKLIN COUNTY	
NEW SHARON		FRANKLIN COUNTY	
CROSS SECTIONS			
SHEET NUMBER		8	
OF 11			



STAGE 1



STAGE 2



STAGE 3

STAGED CONSTRUCTION NOTES

Stage 1. Install Temporary Concrete Barrier, completely remove existing Hot Mix Asphalt, install High Performance Waterproofing Membrane and Proposed 3\" Hot Mix Asphalt. Repair deck as directed by the Resident.

Stage 2. Remove Temporary Concrete Barrier from completed lane and install Temporary Concrete Barrier, completely remove existing Hot Mix Asphalt, install High Performance Waterproofing Membrane and Proposed 3\" Hot Mix Asphalt. Repair deck as directed by the Resident.

Stage 3. Remove Temporary Concrete Barrier from completed lane and re-open both lanes to traffic.

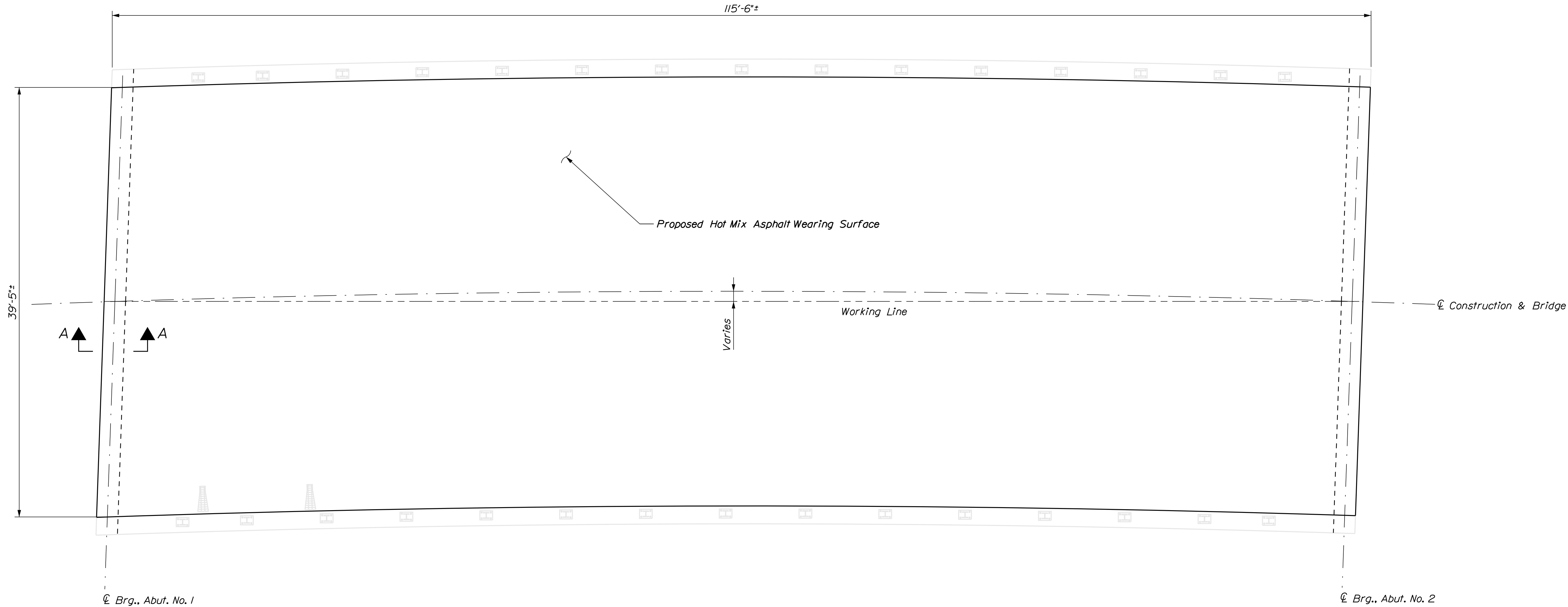
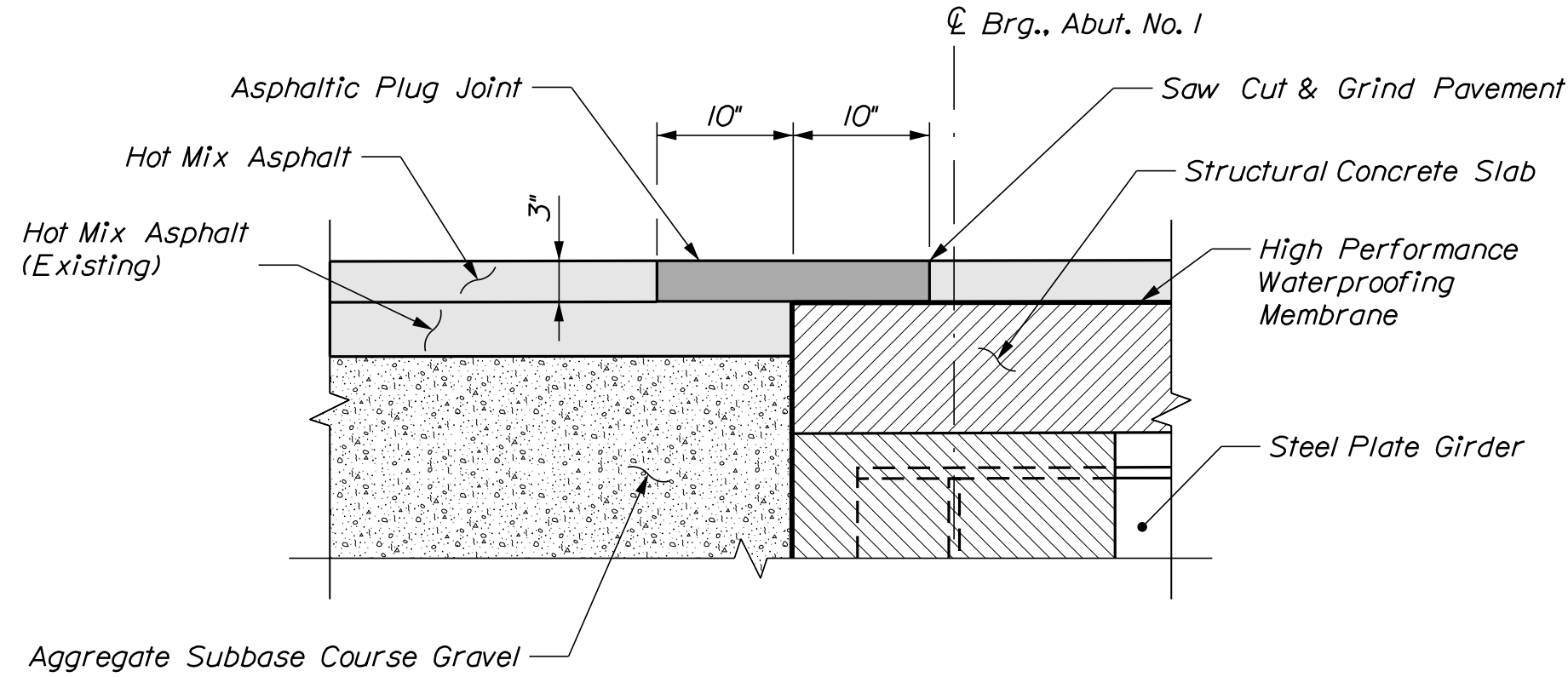
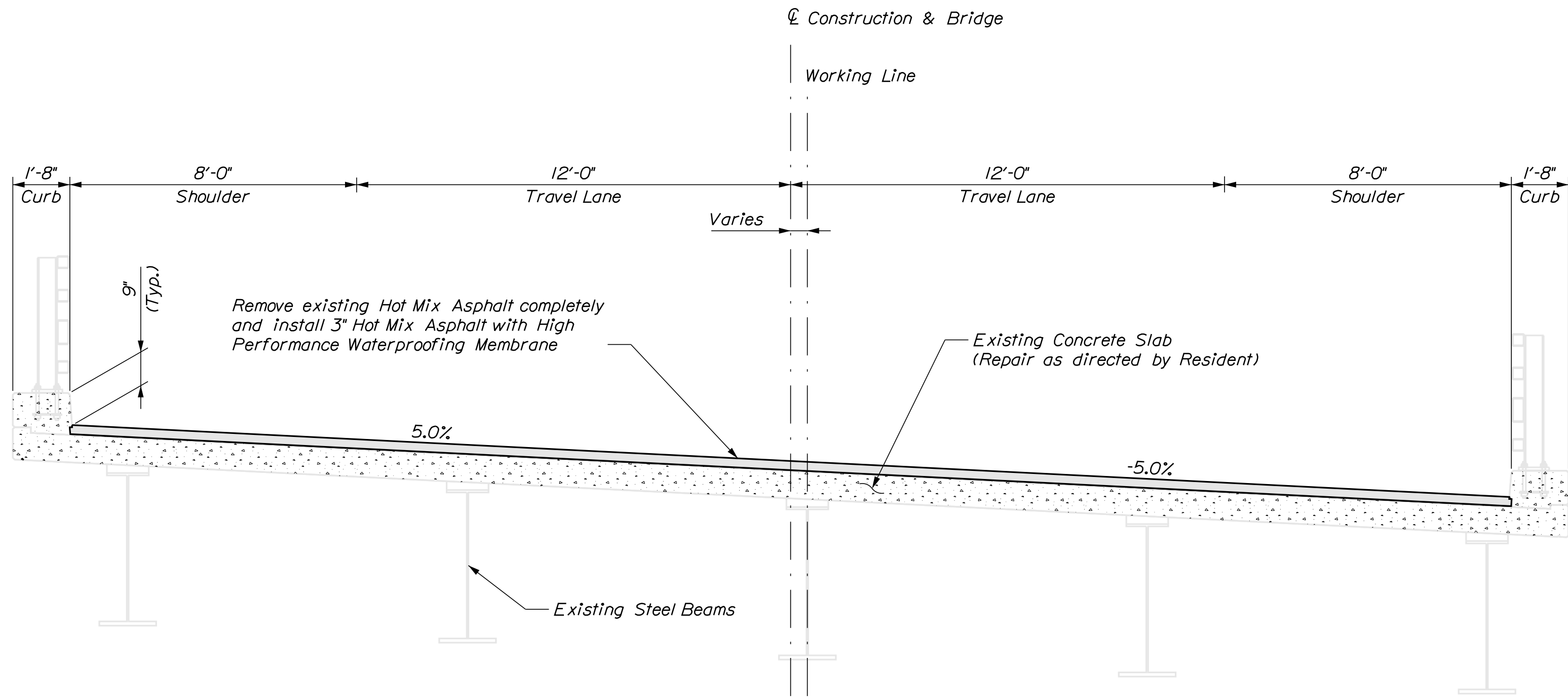
NEW MUDDY BROOK BRIDGE				PROJ. MANAGER		J. STETSON		BY		DATE		STATE OF MAINE	
MUDDY BROOK				DESIGN-DETAILED		J. STETSON		R. MAYER		OCT 2019		DEPARTMENT OF TRANSPORTATION	
NEW SHARON				CHECKED-REVIEWED		J. STETSON		J. STETSON		OCT 2019			
FRANKLIN COUNTY				DESIGN2-DETAILED2								SIGNATURE	
				DESIGN3-DETAILED3									
				REVISIONS 1								P.E. NUMBER	
				REVISIONS 2									
				REVISIONS 3									
				REVISIONS 4									
				FIELD CHANGES								DATE	
STAGED CONSTRUCTION												BRIDGE NO. 5723	
												WIN	
												23633.00	
												BRIDGE PLANS	

Date:11/1/2019

Username: richard.mayer

Division: BRIDGE

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STATE OF MAINE		DEPARTMENT OF TRANSPORTATION		023633.00		WIN		BRIDGE NO. 5723		BRIDGE PLANS	
NEW MUDDY BROOK BRIDGE		MUDDY BROOK		FRANKLIN COUNTY		NEW SHARON		BRIDGE TYPICAL DETAILS		SHEET NUMBER	
										10	
										OF 11	

